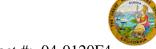
### DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

## WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-019883 Address: 333 Burma Road **Date Inspected:** 29-Jan-2011

City: Oakland, CA 94607

**OSM Arrival Time:** 1900 **Project Name:** SAS Superstructure **OSM Departure Time:** 700 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**CWI Name:** See below **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No **Weld Procedures Followed:** Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No **Delayed / Cancelled:** Yes N/A No

34-0006 **Bridge No: Component:** OBG

## **Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Kelly Leavitt, was present during the times noted above for observations relative to the work being performed.

Bay 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Zhang Qiang, AB Fluor QA Yu Jiao.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Components; OBG 14E PCMK: SEG3019L-1

Weld No: 085 Welder: 066416

Weld Repair No. B-CWR2645

WPS-345-SMAW-3G(3F)-FCM-Repair

Components; OBG 14E PCMK: SEG3019U Weld No: 003

Welder: 216086

## WELDING INSPECTION REPORT

(Continued Page 2 of 3)

#### WPS-B-P-2212-TC-U4b-FMC-1

Components; OBG 14E PCMK: SEG3019AG Weld No: 041,043,045

Welder: 067571

WPS-B-P-2214-U4b-FCM-1

Components; OBG 14E PCMK: SEG3019K-1

Weld No: 001 Welder: 215553

Weld Repair No. CWR2668

WPS-345-SMAW-2G(2F)-RP-Repair

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Flux Core Arc Welding (FCAW) process.

ZPMC QC is identified as Zhang Qiang, AB Fluor QA Yu Jiao.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Components; OBG PCMK: DP3160 Weld No: 134,135

Welder: 066733, 037723 WPS-B-T-2133-ESAB

Components; OBG PCMK: DP3160

Weld No: 180,181,188,189 Welder: 066733, 037723 WPS-B-T-2133-ESAB

Components; OBG 13AE PCMK: SEG3007AT

Weld No: 045 Welder: 055564

WPS-B-P-2233-ESAB

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

## **Summary of Conversations:**



# WELDING INSPECTION REPORT

(Continued Page 3 of 3)

No significant conversations

## **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Leavitt,Kelly	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer